



[Images Description and Claims \(60 Kb\)](#)

corr. to JP 2003-509700
(attached)

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT
COOPERATION TREATY (PCT)

(11) WO 01/20575

(13) A1

(21) PCT/EP00/08735

(22) 07 September 2000 (07.09.2000)

(25) German

(26) German

(30) 199 44 177.4

15 September 1999

DE

(15.09.1999)

(43) 22 March 2001 (22.03.2001)

(51)⁷ G08G 1/09

(54) VEHICLE DATA BUS SYSTEM WITH POSITIONING MEANS

(71) DAIMLERCHRYSLER AG [DE/DE]; Epplestrasse 225, 70567 Stuttgart (DE).

(72) HOFFMANN, Stefan [DE/DE]; Eichenweg 9, 72555 Metzingen (DE).

(75) HOYLAND, Peter [GB/DE]; Tirolerstrasse 13, 71069 Darmsheim (DE).

KNAPP, Reiner [DE/DE]; Sonnenrainweg 5, 71088 Holzgerlingen (DE).

MÄHNER, Michael [DE/DE]; Kornbergstrasse 12, 71032 Böblingen (DE).

SCHLUTTER, Matthias [DE/DE]; Bachstrasse 12/1, 71063 Sindelfingen (DE).

(74) WEISS, Klaus, et al; DaimlerChrysler AG, Intellectual Property Management,
FTP - C106, 70546 Stuttgart (DE).

(81) AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE,
DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO,
NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
UZ, VN, YU, ZA, ZW

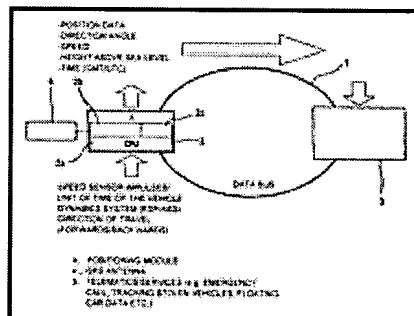
(84) ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG)

[For information on time limits for entry into the national phase please click here](#)

Published

-- with international search report

(57) The invention relates to a vehicle data bus system with positioning means, comprising a positioning calculating unit and a positioning sensor containing at least one GPS receiver with a corresponding GPS antenna and gyro data acquisition means; and a data bus, by which means several connected bus subscribers are interconnected in a data transmission connection. According to the



- The invention, the positioning means contain a positioning module in the form of one of the bus subscribers, which is adjusted to receive at least wheel speed data and forward/backward direction of motion data via the data bus, to obtain at least vehicle position data, direction of motion angle data, speed of travel data and height data and to output the data obtained to the data bus and which contains the positioning calculating unit, the GPS receiver and a gyroscope or means for receiving and evaluating gyro data from a driving dynamics/wheel slip control system. The invention is for use e.g. in automobiles.

